SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Annual Report on AB 2588 Air Toxics "Hot Spots" Program

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INTRODUCTION

This report satisfies Section 44363 of the California Health and Safety Code which requires the South Coast Air Quality Management District (AQMD) to annually prepare and publish a status and forecast report of the Air Toxics "Hot Spots" Information and Assessment Act (or AB 2588) activities. The main body of the report presents AB 2588 activities that occurred in calendar year 2009 and describes plans for future activities [Section 44363(a)(1)]. Appendix A lists facilities which have prepared health risk assessments for the AB 2588 program and their corresponding risks [Section 44363(a) (2) and (3)]. Appendix B describes the status of control measures and rules to reduce emissions of toxic air contaminants [Section 44363(a)(4)].

Background

In 1987, the California legislature adopted the Air Toxics "Hot Spots" Information and Assessment Act (or AB 2588). AB 2588 requires facilities to submit an air toxics inventory report (ATIR). A facility's priority score is calculated from information in the ATIR.

AQMD staff follows the procedures in Health and Safety Code Section 44360 for prioritization and categorization of facilities. The potency, toxicity and amount of toxics released into the air, as well as the distance to workers, residents and sensitive receptors (such as hospitals, schools, and day care centers) are considered for prioritization and categorization. Facilities are assigned to high, medium, and low priority categories.

A facility with a priority score greater than ten (10) must provide a health risk assessment (HRA), following guidelines established by the State of California Office of Environmental Health Hazard Assessment (OEHHA),^[1] and supplemented by AQMD guidelines.^[2] If the risk reported in the HRA exceeds specific thresholds, then the facility is required to provide public notice to the affected community. The public notice process is discussed in more detail later in this document. The program is illustrated in Figure 1.

In 1992, the California legislature added a risk reduction component, the Facility Air Toxic Contaminant Risk Audit and Reduction Plan (or SB 1731), which required the District to specify a significant risk level, above which risk reduction would be required. In Rule 1402 – Control of Toxic Air contaminants From Existing Sources, the Governing Board set the significant risk level at a cancer risk of 100 in a million, and a total chronic or acute hazard index of 5.0. The Board also established action risk levels at a cancer burden of 0.5, a cancer risk of 25 in a million, and a hazard index of 3.0. One-time p ublic notification and a public meeting are required for facilities with cancer risks greater than or equal to ten in a million or non-cancer acute or chronic hazard index greater than one. Rule 1402 requires annual public notice until the facility gets below the action risk levels.

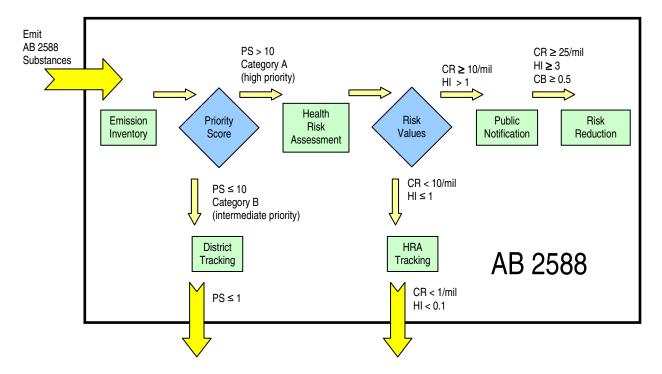


Figure 1 - Schematic of the Hot Spots Program

(CR = cancer risk; PS = priority score; HI = hazard index; CB = cancer burden)

Currently, AQMD staff uses the web-based Annual Emissions Reporting (AER) Program to obtain a preliminary toxic inventory used for facility prioritization. Facilities with priority scores greater than ten are then asked to submit a detailed ATIR and perform an HRA using CARB's Hotspots Analysis and Reporting Program (HARP). [3]

Universe

AQMD has nearly 600 facilities active in the program, more than any other air district in the state. A facility is considered active in the AB 2588 program if it is subject to Hot Spots fees and is required to update its toxic inventory once every four years. This includes facilities that have:

- cancer risks greater than or equal to one in a million; or
- non-cancer hazard index greater than or equal to 0.1; or
- priority score greater than 1.

Air districts were also permitted to identify Industry-wide categories. The facilities that qualify for these categories share the same Standard Industrial Classification (SIC) code, for the most part are small businesses that would suffer severe economic hardships by individual compliance, and can be easily and generically characterized. To date, the AQMD has identified seven Industry-wide categories:

- Retail Gasoline Dispensing;
- Perchloroethylene Dry Cleaning;
- Auto Body Shops;
- Fiberglass Molding;
- Printing;
- Metal Plating; and
- Wood Stripping / Refinishing.

The advantage to an Industry-wide category is that compliance may be handled collectively. The California Air Pollution Control Officers Association's (CAPCOA) Toxics Committee has been tasked with developing statewide emission inventory and risk assessment guidelines for several of these Industry-wide categories. Specifically, such guidelines have been completed for auto body shops^[4] and gasoline service stations.^[5]. The guidelines for perchloroethylene dry cleaners^[6] are being finalized by CAPCOA. The guidelines provide a cost-effective and uniform method for calculating facility emissions and estimating toxic risks for the approximately 1,600 auto body shops, 3,200 gasoline service stations, and 1,000 perchloroethylene dry cleaners under the AQMD's jurisdiction. In this manner, the AQMD may prepare Industry-wide inventories, risk assessments, and public notices and risk reduction plans if necessary. Facilities with emergency diesel internal combustion engines (DICEs) only are treated similarly to an Industry-wide category.

ACTIVITIES AND ACCOMPLISHMENTS

In calendar year 2009, the AB 2588 program staff accomplished the following:

- Reviewed twelve (12) facility HRAs;
- Conducted one (1) public notice meeting;
- Prioritized three hundred thirty (330) AB 2588 facilities for FY2006-07, requested seven (7) detailed ATIRs, and evaluated five (5) ATIRs;
- Notified nine (9) facilities to prepare HRAs;
- Approved one (1) Risk Reduction Plan (RRP); and
- Added criteria and toxic emissions for fiscal year 2006-2007 to the AB 2588 website and made it available to the public.
- Reviewed the 2005 Toxics Release Inventory (TRI) and National-Scale Air Toxics Assessment (NATA) data.

Each of these efforts is further explained below.

ATIRs, HRAs, and Risk Reduction

To date, staff has reviewed and approved over 300 facility HRAs, 43 facilities were required to perform a public notice, and 21 facilities were subject to risk reduction.

These 21 facilities are shown in Table 1, page 6. The results of the approved facility HRAs are summarized in Figures 2 and 3. For some of the facilities, the values indicate the risks after the implementation of risk reduction plans. Appendix A summarizes the cancer and non-cancer risk levels for each of the facilities that prepared an HRA. Over 96 percent of the facilities now have cancer risks below ten in a million and over 98 percent of the facilities have acute and chronic non-cancer hazard indices less than 1.

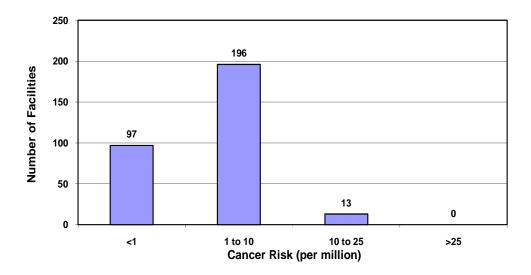


Figure 2 - Summary of Facility Cancer Risks

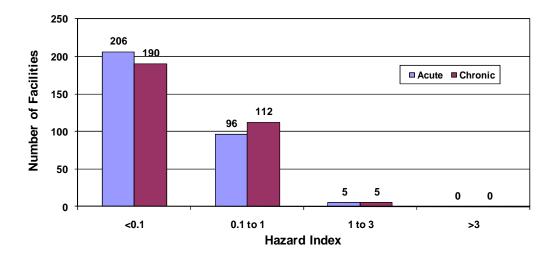


Figure 3 - Summary of Facility Non-Cancer Risks

In 2009, 12 HRAs were reviewed. Among these HRAs, 7 were approved, and one is pending review by the Office of Environmental Health Hazard Assessment (OEHHA). In 2009, 13 additional facility HRAs were submitted.

Since the amendment of Rule 1402 on March 17, 2000, which lowered the action risk levels, the AB 2588 staff identified 21 facilities that were required to reduce risks (see Table 1).

Table 1 - Status of Risk Reduction Plans

| Fac. ID | Facility Name | Submitted? | Approved? | Implemented? | Residual Risk |
|---------|-------------------------------------|------------|-----------|--------------|-------------------------------------------------------------------------|
| 7427 | Owens-Brockway Glass | Yes | Yes | Yes | Acute HI: 0.01 |
| 7730 | E.R. Carpenter | Yes | Yes | Yes | Chronic HI: 1.34 |
| 8015 | Anadite Inc. | Yes | Yes | Yes | Cancer: 3.5 |
| 8547 | Quemetco | Yes | Yes | Yes | Cancer: 4.4 Acute HI: 0.086 Chronic HI: 0.74 Can. Burden 0.023 |
| 8570 | Embee Inc. | Yes | Yes | Yes | Cancer: 6.6 |
| 14191 | Nicklor Chemical Co. | Yes | Yes | Yes | Non-cancer HIs: 0 (a) |
| 15504 | Schlosser Forge Co. | Yes | Yes | Yes | Cancer: 9.5 Chronic HI: 1.11 |
| 18294 | Northrop-Grumman | Yes | Yes | Yes | Cancer: 7.6 |
| 22410 | Palace Plating | Yes | Yes | Yes | Cancer: 5.6 Acute HI: 0.73 Chronic HI: 0.38 |
| 25012 | Amada Manufacturing America, Inc. | Yes | Yes | Yes | Cancer: <0.1 |
| 41229 | Lubeco, Inc. | Yes | Yes | Yes | Cancer: 14.0 |
| 45938 | E.M.E. Inc. | Yes | Yes | Yes | Cancer: <0.1 |
| 48323 | Sigma Plating Co. | Yes | Yes | Yes | Cancer: 13.8 |
| 61160 | GE Engine Services | Yes | Yes | Yes | Acute HI: 0.7 |
| 116459 | GE Engine Services | Yes | Yes | Yes | Cancer: 9.3 |
| 119127 | PRC DeSoto International | Yes | Yes | Yes | Cancer: 0 (a) |
| 126501 | Vought Aircraft Industries, Inc. | Yes | Yes | Yes | Cancer: 19.7 (b) |
| 134931 | Alcoa Global Fasteners, Inc. | Yes | Yes | Yes | Cancer: 0.6 |
| 800037 | DeMenno/Kerdoon | Yes | Yes | Yes | Cancer: 4.9 Acute HI: <0.01 Chronic HI: 0.02 Can. Burden 0.01 |
| 800063 | Grover Products Co. | Yes | Yes | Yes | Cancer: 3.3 |
| 800196 | American Airlines, Inc. | Yes | Yes | Yes | Cancer: 5.4 Acute HI: 0.86 |

⁽a) Facility left the South Coast Air Basin. Thus, risks are zero.

⁽b) The specific risk driver listed in this HRA is no longer in use & the resulting risk has been eliminated.

Public Notification Process

Under the Air Toxics "Hot Spots" Information and Assessment Act, the operator of a facility must provide notice to all exposed persons if, in the judgment of the AQMD, the facility's health risks assessment indicates there is a significant health risk associated with air toxic emissions from the facility. The goal of public notification is to inform the public of their exposure to toxic substances routinely released to the air from facilities and to identify the potential health risks associated with those exposures. It also provides the AQMD and facilities with the opportunity to communicate historical, present or planned future activities aimed at reducing the public's exposure to air toxics. California H&SC Sections 44361, et al., (AB 2588) requires facilities that exceed certain risk thresholds to provide public notice. The AQMD Board adopted Public Notification Guidelines in October 1992 for core facilities [7], which established the following public notice significance thresholds:

- Maximum Individual Cancer risk > 10 in one million, or
- Non-Cancer Acute hazard index (HI) > 1, or
- Non-Cancer Chronic HI > 1.

The notice is made in accordance with procedures specified by the AQMD, which are as follows:

Identify the impact area, that is, the area above the notification thresholds: For cancer risk, the area of impact is the geographic area encompassed by the ten in one million Maximum Individual Cancer Risk (MICR) isopleths. For non-cancer health risk, the area of impact is the geographic area encompassed by the 1.0 total hazard index isopleths.

Distribute public notice materials to all addresses and to parents of children attending school in the area of impact: The AQMD has prepared public notice materials which are provided to the facility operators and must be used to provide public notice. The facility operator must distribute the public notice materials in the area of the impact within 30 days of receipt of the AQMD letter informing them of their obligation to perform public notification, and provide AQMD with verification that the distribution was completed.

Conduct a public meeting: A public meeting must be held as part of the public notification process. The facility operator will be requested to hold the meeting. It is important that facility operators work closely with the AQMD concerning their plans for the public meeting, including time, date, location and content. Meetings will be attended by AQMD staff.

Public meetings should be scheduled for a date that is within two to four weeks of the distribution of the notice materials. The notice letter will include information about the time, date, location and purpose of the public meeting.

The meeting should be held on a weekday evening or weekend and at a location that is convenient for community members. The facility may wish to hold the meeting at their facility site if they have an available room with a capacity of at least 50 people. The AQMD's Public Advisor's Office maintains a list of facilities (schools, community centers, etc.) which may be available for public meetings.

Facility operators are encouraged to work closely with the AQMD regarding the meeting agenda. The recommended agenda includes a presentation followed by a question and answer period. A pre-meeting should be arranged between the AQMD and facility staff to finalize meeting plans, including the appropriate persons to attend and assist in the presentation. It is recommended that the following topics be included in the presentation:

- Purpose of the meeting;
- Overview of the AB 2588 program;
- Description of the facility: type of operation, processes involved, and materials used or produced at the facility;
- Overview of health risks from air toxics;
- Description of the health risk assessment process;
- Description of facility emissions and results of the HRA;
- Facility's projects or plans to reduce toxic emissions or risk; and
- Government programs to reduce risks from air toxics.

The pre-arranged meeting agenda may not meet the needs of the public in all cases. The facility operator should be prepared to modify the meeting agenda in response to the reasonable needs of the attendees.

Distribute copies of the facility's approved HRA to the public library closest to the facility and all school libraries in the area of impact: Prior to distribution of the notice materials, the facility must deliver a copy of their approved HRA, with a cover letter provided by the AQMD, to all school libraries and the public library closest to the facility and provide verification of the delivery to the AQMD.

A public notification meeting for Vista Metals Corp. was held on February 25, 2009 because the facility's cancer risks were over 10 in a million. Vista Metals Corp. is a secondary aluminum smelting facility located in Fontana since 1978. The toxic chemicals contributing to the cancer risks were dibenzofurans, dioxins, and diesel particulate matter emitting from dryers and reverberatory furnaces and portable welding equipment. About 105 households or businesses were notified and 2 members of the public and 2 staff members from the local county development office attended the meeting. At the time of question and answer, all the questions were pertaining to another facility called "Fontana Speedway" and none related to Vista Metals Corp. risk assessment. AQMD compliance staff tried to answer all the questions in addition to follow-up calls and visits with the concerned citizens to address all their concerns.

Public Outreach and Response to Community Concerns

Over the past few years, AB 2588 staff has been extensively involved in the investigation of community concerns regarding Quemetco Company.

Quemetco is a secondary lead smelter located at 720 S. 7th Avenue, City of Industry, California. Their main activity is to recover lead from spent automobile batteries. The facility has been operating at this location since 1959. Persistent neighborhood odors, past violations of the lead health standard, recent permit actions, and the AB 2588 public notice has drawn much public interest.

Pursuant to AB 2588, Quemetco prepared an HRA in December 2000. Due to several public meetings and various comments, the AQMD modified their HRA and approved the modified HRA on December 16, 2005. The modified AB 2588 HRA depicted non-cancer risks of less than one, a maximum individual cancer risk of 21.8 in one million subjecting the facility to the AB 2588 public notice requirements, and a cancer burden of 1.15 triggering AQMD Rule 1402 risk reduction requirements. The cancer risk (2005) is presented in Figure 4. Quemetco provided public notice on January 17, 2006.

Pursuant to Rule 1402, Quemetco prepared a Risk Reduction Plan, subsequently approved by AQMD, and implemented by Quemetco. The Risk Reduction Plan proposed installation of a Wet Electrostatic Precipitator (WESP) to control particulates and metals, and possible installation of a regenerative thermal oxidizer (RTO) to control organics. Quemetco opted to install both the WESP and RTO.

Based on a permit condition, Quemetco conducted source tests in January 2009, and prepared and submitted an HRA (dated October 2009) to demonstrate compliance with Rule 1402. Quemetco is permitted at 600 tons/day maximum throughput. The source tests and subsequent HRA were based on the maximum throughput, as specified in their permit to operate. AQMD staff reviewed, modified, and approved as modified, the Quemetco HRA on February 23, 2010. The modified Rule 1402 HRA depicts a maximum individual cancer risk of 4.4 in one million, cancer burden of 0.023, and non-cancer risks less than one. (The cancer risk has been reduced by 80%. The cancer risks are presented in Figure 4). All health impacts are below the action risk levels in Rule 1402.

The one in a million isopleth from the December 2005 AB 2588 HRA covers 207 square kilometers. The one in a million isopleth from the February 2010 Rule 1402 HRA covers 11 square kilometers.

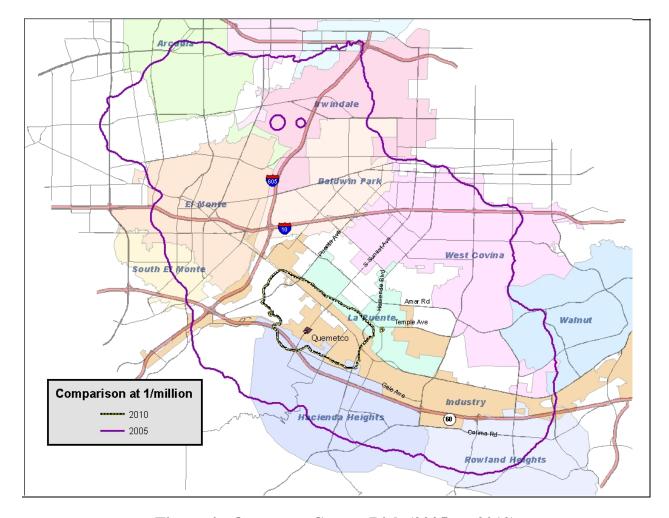


Figure 4 - Quemetco Cancer Risk (2005 vs. 2010)

(The larger contour (purple, if viewed in color) is the one in one million contour representing the maximum individual cancer risk from the December 2005 HRA which depicts the risks prior to implementation of the risk reduction plan. The smaller contour (dashed) is the one in a million contour that represents the maximum individual cancer risk from the February 2010 R1402 HRA that utilizes emissions data after implementation of the risk reduction plan.)

National-Scale Air Toxics Assessment Support

Every three years, beginning in 1996, the U.S. EPA publishes a National-Scale Air Toxics Assessment (NATA). NATA is analogous to AQMD's Multiple Air Toxic Exposure Study (MATES). Whereas MATES looks at population risks in the four county jurisdiction of the AQMD, the 50 states are addressed in NATA. The purpose of NATA is to: (1) identify and prioritize the toxic air contaminants of greatest concern, (2) determine the risk contribution from each of the major source categories (i.e., on-road, off-road, point, and area), and (3) identify local areas (i.e., census tracts) with elevated risks.

The Year 2002 NATA released in June 2009 identified a neighborhood in Cerritos, California as having the highest air toxic risk in the nation – with one chemical (hydrazine) from one metal processing facility accounting for over 95 percent of that risk. Following announcement of the report, AQMD staff examined the findings and noted that the facility location was erroneous in the NATA. Subsequently, AQMD staff determined that the 2002 NATA used antiquated data; that the facility actually emitted relatively minor amounts of hydrazine; and that the risks to the residents of Cerritos were grossly overstated. The agencies involved – U.S. EPA, California Air Resources Board (CARB), and the AQMD – thereafter committed to significantly improve the process. Specifically, U.S. EPA agreed to provide state and local air quality agencies with preliminary NATA findings prior to final release, in order to allow reasonable time to perform quality assurance checks.

To that end, U.S. EPA staff provided the preliminary draft 2005 Toxics Release Inventory (TRI) and NATA data in October 2009 along with a set of tools (i.e., reports and software) to assist in the review. AB 2588 staff participated in several webinars with U.S. EPA staff since and thoroughly reviewed the 57 high risk facilities (i.e., facilities with cancer risks > 100 in a million or a non-cancer chronic hazard index > 5) identified by U.S. EPA to be in our jurisdiction. AB 2588 staff review of the 2005 TRI and NATA revealed a fundamental problem with U.S. EPA's emission inventory approach. The data AQMD submitted to U.S. EPA via CARB was not used to replace previous data submittals, but to update emission data when it was for the same facility and the same Business turnovers and material changes from more toxic to less toxic chemicals, primarily as a result of AQMD rules and regulations and other programs, were not recognized by the current method and the same toxic chemicals were carried over year to year as if they remained unchanged. Furthermore, U.S. EPA-developed emission factors were substituted for locally reported emission factors (e.g., landfill gas acrylonitrile emissions and hexavalent chromium estimated from total chrome reported in U.S. EPA's TRI). The following statistics illustrate the extent of the data inadequacies. Out of a total 57 high risk facilities, AB 2588 staff found that:

- 34 facilities were out of business; and
- 11 facilities had process changes prior to 2005 that eliminated the use of key toxic compounds.

AQMD communicated these issues to U.S. EPA and advocated that an improved data transfer protocol be developed among the agencies involved so that staff resources could be more efficiently directed to auditing true high risk facilities. U.S. EPA supports the formulation of a working group to develop specific quality assurance protocols for data submittal and evaluation.

Furthermore, staff compared the TRI data submitted to U.S. EPA with information submitted to the AQMD under the Annual Emissions Inventory program to understand the differences in NATA and other information relied upon by the U.S. EPA.

FUTURE ACTIVITIES

In 2010, staff plans to perform the following tasks:

Update Facility Prioritization Procedures

From the reported toxic emissions, AQMD prioritizes facilities into three categories: high priority, intermediate priority, and low priority. The current prioritization procedures utilize risk values identified by the OEHHA.

The OEHHA is required to develop guidelines for conducting health risk assessments under the AB 2588 "Hot Spots" Program (Health and Safety Code Section 44360(b)(2)). OEHHA initially developed Technical Support Documents (TSDs) in 1999-2000 in response to this statutory requirement, including one which listed and described the derivation of cancer potencies for individual air contaminants, and two which described acute and chronic Reference Exposure Levels (RELs). (A REL is an exposure level at or below which no non-cancer adverse health effect is anticipated to occur in a human population exposed for a specific duration). The OEHHA finalized the revised TSDs: "Air Toxics Hot Spots Program Technical Support Document for Cancer Potencies", and "Air Toxics Hot Spots Program Technical Support Document for the Derivation of Noncancer Reference Exposure Levels," which are designed to replace those original TSDs. The revised TSDs present updated methodologies that reflect scientific knowledge and techniques developed since the previous guidelines were prepared. In addition to the previously defined acute and chronic RELs, the new method allows for the estimation of 8-hour RELs, which may be useful in dealing with some special circumstances in Hot Spots risk assessments. As a result, the Air Toxics Hot Spots Program Risk Assessment Guidelines have changed.

AB 2588 staff will update the current prioritization procedures to make it consistent with OEHHA's revised risk guidelines and incorporating mutli-pathway factors developed as part of the AQMD's Risk Assessment Procedures for Rules 1401 – New Source Review of Air Toxic Compounds and 212 – Standards for Approving Permits and Issuing Public Notice, into the calculation procedures. There are two primary changes to the AQMD's Risk Assessment Procedures: (1) different unit of measure for cancer potency and (2) revisions to the multi-pathway effects. Revisions to the unit of measures are consistent with OEHHA's changes. Revisions to the multi-pathway effect include different exposure assumptions for workers and residents, indexing pollutant concentration body weight as opposed to volume of air, and different breathing rate for residents and workers.

Develop Internal Procedures for Addressing Emission Inventory, Risk Assessment, and Public Notification Procedures for the Other Industry-wide Categories

Staff will develop an internal work plan for addressing emission inventory, risk assessment, and public notification procedures for additional Industry-wide categories, such as auto body shops..

Continue to Notify Facilities with Prime DICEs

Staff will continue to identify facilities with prime Diesel Internal Combustion Engines (DICEs), notify these facilities of the requirements to prepare and submit ATIR and HRA, followed by reviewing and approving these HRAs.

Amend the Public Notification Procedures

Staff plans to amend the current Public Notification Procedures such that future meetings are conducted by staff instead of facility personnel.

U.S. EPA TRI and NATA Data

In cooperation with the U.S. EPA and the CARB, develop toxic emission data handling protocols to improve the accuracy of future NATA reports, and continue to review future TRI and NATA data.

Continue to Prioritize AB 2588 Facilities

Staff will prioritize AB 2588 facilities and notify those with high priority scores to prepare detailed Air Toxics Inventory Reports (ATIRs) and HRAs.

HRA and ATIR Review and Approval

There are about 13 facility HRAs in addition to 4 detailed ATIRs that are either under review or will be submitted in the first half of 2010. Seven of these HRAs are from major refineries. An important task for the coming year is to review and approve these ATIRs and HRAs.

As U.S. EPA updates its inventory data, staff will continue to review data relevant to AQMD for accuracy and consistency with local data reported by the facilities.

REFERENCES

- [1] OEHHA. 2003. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. The document is available at http://www.oehha.org/air/hot_spots/HRAguidefinal.html.
- [2] AQMD. 2005. Supplemental Guidelines for Preparing Risk Assessments to Comply with the Air Toxics 'Hot Spots' Information and Assessment Act. The document is available at http://www.aqmd.gov/prdas/AB2588/AB2588AB
 2588_B3.html under the bullet item labeled "AQMD risk assessment guidelines."
- [3] CARB. 2005. Hotspots Analysis and Reporting Program (HARP). Link to HARP is http://www.arb.ca.gov/toxics/harp/harp.htm.
- [4] CAPCOA. 1996. Auto Bodyshop Industry-wide Risk Assessment Guidelines. Prepared by CAPCOA, September 1996. The document is located at the following link: http://www.arb.ca.gov/ab2588/riskassess.htm.
- [5] CAPCOA. 1997. Gasoline Service Station Industry-wide Risk Assessment Guidelines. Prepared by CAPCOA, December 1997. The document is located at the following link: http://www.arb.ca.gov/ab2588/riskassess.htm.
- [6] CAPCOA. 2003. Perchloroethylene Dry Cleaner Industry-wide Risk Assessment Guidelines. Prepared by CAPCOA, January 13, 2003 (Draft). The document is located at the following link: http://www.arb.ca.gov/ab2588/riskassess.htm.
- [7] AQMD. 1994. Public Notification Procedures for Phase I and II Facilities under the Air Toxics 'Hot Spots' Information and Assessment Act of 1987 (AB 2588). The document is available at http://www.aqmd.gov/prdas/AB2588/AB2588_B4.html under the bullet item labeled "AQMD Public Notification Procedures."
- [8] The U.S. EPA's web portal to NATA is available at: http://www.epa.gov/ttn/atw/natamain/.

Appendix A

Health Risk from Facilities with an Approved Health Risk Assessment (HRA)

The table in Appendix A lists the facilities and the current risks as reviewed and approved by the AB 2588 staff. In most instances, the listed risks are from an approved HRA. However, in some instances, the risks are those after the implementation of a risk reduction plan. See Table 1 included in the report for the status of the facility's risk reduction plan. Attention should also be given to the other footnotes in the table denoting facilities with updated HRAs pending approval and facilities with risk including emergency DICEs. It also provides current status of each facility as follows:

- A Active
- I Inactive
- OB Out of business

Staff realizes that facilities that have gone through change of ownership could have different name and facility ID numbers. To keep the historical data intact, the facility name and IDs in Appendix A represent the information that was valid at the time that the HRA was finalized. The table lists the facilities in the order of their cancer risk. The following risk levels are identified in AQMD Rule 1402 – Control of Toxic Air Contaminants from Existing Sources:

- Action Risk Levels: Cancer risk \geq 25 in a million; Acute HI \geq 3.0; Chronic HI \geq 3.0, Cancer Burden \geq 0.5
- <u>Public Notification Levels:</u> Cancer risk ≥ 10 in a million; Acute HI > 1.0; Chronic HI > 1.0
- Exemption Levels: Cancer risk < 1 in a million; Acute HI < 0.1; Chronic HI < 0.1

Appendix A Health Risks from Facilities with an Approved HRA

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 122822 | I | CONSOLIDATED FILM INDUSTRIES | Hollywood | 21.00 | n/a | 0.11 | 0.40 | 2000 |
| 45448 | A | GAS RECOVERY SYSTEMS, INC. | Irvine | 20.1 | 0.18 | 0.56 | 0.32 | 2009 |
| 14495 | A | VISTA METALS CORP. | Fontana | 19.80 | 0.057 | 0.01 | 0.29 | 2008 |
| 126501 | A | VOUGHT AIRCRAFT INDUSTRIES (c) | Hawthorne | 19.70 | n/a | 0.64 | 0.24 | 2001 |
| 114927 | A | ANVIL CASES / A CALZONE COMPANY | Industry | 19.00 | n/a | 0.13 | 0.08 | 2002 |
| 11142 | OB | KEYSOR-CENTURY CORP | Saugus | 17.00 | n/a | 0.54 | 0.06 | 2000 |
| 18989 | A | BOWMAN PLATING CO. INC. | Compton | 14.20 | 0.021 | < 0.01 | < 0.01 | 2007 |
| 41229 | A | LUBECO, INC. | Long Beach | 14.02 | n/a | 0.00 | 0.12 | 2003 |
| 35302 | A | OWENS CORNING FIBERGLASS CORP. (a) | Compton | 14.00 | 0.015 | 0.07 | 0.10 | 2000 |
| 48323 | A | SIGMA PLATING COMPANY | La Puente | 13.84 | 0.017 | 0.01 | 0.74 | 2004 |
| 18648 | OB | CROWN CITY PLATING COMPANY | El Monte | 11.99 | 0.130 | 0.39 | 0.13 | 2000 |
| 29110 | A | OR. CO., SANITATION DIST | Huntington Beach | 10.70 (b) | 0.210 | 1.78 | 0.48 | 2007 |
| 106797 | OB | SAINT-GOBAIN CONTAINERS LLC | Los Angeles | 9.85 | n/a | 0.00 | 0.07 | 2000 |
| 101380 | OB | GENERAL DYNAMICS OTS (DOWNEY) INC | Downey | 9.80 | n/a | 0.01 | 0.05 | 2000 |
| 148925 | A | CHERRY TEXTRON | Santa Ana | 9.70 | n/a | 0.07 | 0.15 | 1999 |
| 800183 | A | PARAMOUNT PETROLEUM CORPORATION | Paramount | 9.61 | n/a | 0.02 | 0.01 | 2002 |
| 800318 | A | GRISWOLD INDUSTRIES | Costa Mesa | 9.51 | 0.009 | 0.10 | 0.01 | 2001 |
| 15504 | A | SCHLOSSER FORGE CO. | Rancho Cucamonga | 9.50 | 0.067 | 1.59 | 1.11 | 2003 |
| 800149 | A | US BORAX & CHEM CORP | Wilmington | 9.46 | n/a | 0.00 | 0.03 | 2000 |
| 10510 | OB | GREGG INDUSTRIES INC. | El Monte | 9.40 | 0.010 | 0.60 | 0.56 | 2008 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|----------------------------------------|-------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 155828 | A | GARRETT AVIATION SERVICES INC. | Los Angeles | 9.33 | n/a | 0.91 | 0.10 | 2005 |
| 42922 | OB | CMC PRINTED BAG INC | Whittier | 9.00 | n/a | < 0.01 | < 0.01 | 1995 |
| 800396 | A | BP WEST COAST PRODUCTS, ARCO VINVALE | South Gate | 9.00 | 0.023 | < 0.01 | 0.03 | 1994 |
| 3525 | A | P.B. FASTENERS | Gardena | 8.91 | 0.010 | 0.09 | 0.06 | 1999 |
| 800089 | A | EXXON-MOBIL OIL CORPORATION | Torrance | 8.90 | 0.380 | 0.06 | 0.05 | 2001 |
| 1744 | A | KIRKHILL RUBBER CO | Brea | 8.70 | 0.001 | 0.20 | 0.06 | 2007 |
| 800431 | A | PRATT & WHITNEY ROCKETDYNE, INC. | Canoga Park | 8.70 | 0.130 | < 0.01 | < 0.01 | 1995 |
| 44454 | A | STRUCTURAL COMPOSITES INDUSTRIES, INC. | Pomona | 8.60 | 0.001 | 0.01 | 0.23 | 2002 |
| 800363 | A | CONOCO-PHILLIPS CO. | Wilmington | 8.60 | 0.282 | 0.98 | 0.07 | 2001 |
| 2680 | A | LA CO., SANITATION DISTRICT | Whittier | 8.57 | n/a | 0.00 | 0.03 | 1999 |
| 15736 | A | HENRY CO | Hunt. Park | 8.50 | 0.026 | 0.00 | 0.00 | 2000 |
| 800057 | A | GATX TANK STORAGE TERMINAL CORP | Carson | 8.50 | n/a | 0.01 | 0.06 | 1999 |
| 800079 | A | PETRO DIAMOND TERMINAL CO | Long Beach | 8.30 | n/a | 0.00 | 0.16 | 1998 |
| 125281 | OB | MODERN PLATING ALCO CAD-NICKEL PLATING | Los Angeles | 8.20 | n/a | 0.10 | 0.01 | 1997 |
| 21615 | OB | OPTICAL RADIATION CORP | Azusa | 8.08 | n/a | 0.17 | 0.10 | 1998 |
| 110924 | A | WESTWAY TERMINAL COMPANY | San Pedro | 8.00 | 0.370 | 0.33 | 0.51 | 1997 |
| 3609 | A | AL'S PLATING CO INC | Los Angeles | 7.81 | n/a | 0.26 | 0.17 | 1999 |
| 37603 | A | POLYCARBON INC | Valencia | 7.80 | 0.012 | 0.01 | 0.36 | 1998 |
| 800182 | A | RIVERSIDE CEMENT CO. (a) | Riverside | 7.80 | n/a | 0.05 | 0.13 | 2001 |
| 800436 | A | TESORO REFINING AND MARKETING CO | Wilmington | 7.80 | n/a | 0.33 | 0.45 | 2000 |
| 13920 | A | ST. JOSEPH HOSPITAL | Orange | 7.73 | 0.014 | 0.79 | 0.26 | 2008 |
| 18294 | A | NORTHROP CORP., AIRCRAFT DIV WEST | El Segundo | 7.60 | n/a | 0.13 | 0.05 | 2000 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|----------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 113170 | A | SANTA MONICA HOSPITAL MEDICAL CTR UNIT 2 (c) | Santa Monica | 7.60 | 0.000 | 0.17 | 0.01 | 1997 |
| 800214 | A | LA CITY, HYPERION TREATMENT PLANT (a) | Playa del Rey | 7.59 | 0.027 | 0.06 | 0.01 | 1999 |
| 20197 | A | LAC/USC MEDICAL CENTER | Los Angeles | 7.50 | 0.031 | 0.70 | 0.38 | 2007 |
| 800032 | A | CHEVRON U.S.A. INC | Montebello | 7.46 | 0.143 | 0.01 | 0.18 | 1999 |
| 800150 | A | US GOVT., AF DEPT, MARCH AFB | Riverside | 7.35 | 0.020 | 0.31 | 0.01 | 2008 |
| 108701 | A | BALL FOSTER GLASS CONTAINER CO. | El Monte | 7.30 | 0.056 | 0.09 | 0.07 | 2000 |
| 117560 | A | EQUILON ENTER, LLC-SHELL OIL PROD. US | Wilmington | 7.30 | n/a | 0.03 | 0.07 | 1998 |
| 131003 | A | BP WEST COAST PRODUCTS LLC | Carson | 7.28 | n/a | 0.30 | 0.08 | 2000 |
| 800113 | A | ROHR IND INC | Riverside | 7.20 | 0.011 | 0.86 | 0.02 | 2007 |
| 800236 | A | LA CO., SANITATION DIST UNIT NO.01 | Carson | 7.20 | 0.058 | 0.17 | 0.12 | 2007 |
| 49387 | A | UNIV CAL RIVERSIDE | Riverside | 7.13 | 0.220 | 0.00 | 0.04 | 1999 |
| 57094 | A | G S ROOFING PRODUCTS CO INC (a) | Wilmington | 7.00 | n/a | 0.01 | 0.01 | 2000 |
| 140499 | A | AMERESCO HUNTINGTON BEACH, LLC | Huntington Beach | 7.00 | n/a | < 0.01 | < 0.01 | 1995 |
| 55449 | A | BKK CORPORATION, LANDFILL DIVISION GNRL | W. Covina | 6.90 | n/a | 0.01 | 0.10 | 2000 |
| 800372 | A | EQUILON ENTERPRISES,LLC | Carson | 6.90 | 0.030 | 0.44 | 0.07 | 2001 |
| 5723 | A | AEROCHEM INC | Orange | 6.70 | 0.004 | 0.02 | 0.10 | 1999 |
| 34764 | A | CADDOCK ELECTRONICS, INC. | Riverside | 6.70 | 0.034 | 0.01 | 0.09 | 2002 |
| 8570 | A | EMBEE INC | Santa Ana | 6.62 | n/a | 0.21 | 0.58 | 2001 |
| 17301 | A | OR CO., SANITATION DIST | Fountain Valley | 6.60 | 0.032 | 0.39 | 0.34 | 2007 |
| 6643 | A | TECHNICOLOR, INC | N. Hollywood | 6.53 | 0.003 | 0.03 | 0.08 | 2007 |
| 141585 | A | RESOLUTION SPECIALTY MATERIALS, LLC | Lynwood | 6.50 | 0.150 | 0.13 | 1.60 | 1995 |
| 11726 | A | GE ENGINE SERVICES | Ontario | 6.46 | n/a | 0.12 | 0.59 | 1999 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-----------------------------------------|---------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 2852 | A | WALT DISNEY CO | Burbank | 6.40 | 0.031 | 0.02 | 0.02 | 1997 |
| 800066 | A | НІТСО | Gardena | 6.40 | 0.310 | 0.34 | 0.05 | 1998 |
| 1226 | A | HYATT DIE CAST & ENGINEERING CORP | Cypress | 6.24 | 0.008 | < 0.01 | 0.12 | 1996 |
| 800067 | A | BOEING SATELLITE SYSTEMS INC | El Segundo | 6.22 | n/a | 0.03 | 0.08 | 2000 |
| 146570 | A | ROHM AND HAAS CHEMICALS LLC | La Mirada | 6.20 | n/a | 0.54 | 0.76 | 1999 |
| 45262 | A | LA CO, SANITATION DISTRICT UNIT NO.02 | Glendale | 6.17 | n/a | 0.01 | 0.05 | 1998 |
| 800026 | A | ULTRAMAR INC. | Wilmington | 6.08 | n/a | 0.80 | 0.07 | 2002 |
| 800267 | A | DV INDUSTRIES, INC. | Lynwood | 6.06 | 0.000 | < 0.01 | 0.01 | 2007 |
| 140961 | A | GKN AEROSPACE TRANSPARENCY SYS INC | Garden Grove | 6.00 | n/a | < 0.01 | 0.49 | 1996 |
| 800022 | A | CALNEV PIPE LINE CO | Bloomington | 5.90 | n/a | 0.00 | 0.07 | 1999 |
| 800198 | A | ULTRAMAR INC | Wilmington | 5.90 | n/a | 0.01 | 0.09 | 1999 |
| 800279 | A | SFPP, L.P. | Orange | 5.85 | n/a | 0.00 | 0.24 | 1999 |
| 8578 | OB | ASSOCIATED CONCRETE PROD. INC | Santa Ana | 5.80 | n/a | 0.13 | 0.57 | 1999 |
| 136148 | A | E/M CORP, GREAT LAKES CHEMICAL CORP SUB | N Hollywood | 5.80 | 0.000 | 0.28 | 0.57 | 1998 |
| 800129 | A | SO PACIFIC PIPELINES INC | Rialto | 5.75 | n/a | < 0.01 | 0.02 | 1996 |
| 154540 | A | ARROWHEAD BRASS PROD. INC | Los Angeles | 5.70 | n/a | 0.26 | 0.04 | 1995 |
| 800288 | A | UNIV CAL IRVINE UNIT NO 01 | Irvine | 5.64 | n/a | 0.00 | 0.07 | 1996 |
| 22410 | A | PALACE PLATING | Los Angeles | 5.60 | n/a | 0.73 | 0.38 | 2004 |
| 38971 | A | RICOH ELECTRONICS INC | Irvine | 5.60 | 0.007 | 0.02 | 0.39 | 1995 |
| 43201 | A | SNOW SUMMIT SKI CORP | Big Bear Lake | 5.53 | 0.003 | 0.01 | 0.01 | 2007 |
| 14146 | A | MAC GREGOR YACHT CORP | Costa Mesa | 5.50 | n/a | 0.00 | 0.10 | 1998 |
| 54424 | A | L & L CUSTOM SHUTTERS | Placentia | 5.50 | 0.000 | 0.15 | 0.21 | 2001 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-----------------------------------------|---------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 800409 | A | TRW INC. | Redondo Beach | 5.48 | n/a | 0.45 | 0.24 | 1998 |
| 800196 | A | AMERICAN AIRLINES, INC. | Los Angeles | 5.40 | 0.190 | 0.86 | 0.08 | 2005 |
| 800171 | A | MOBIL OIL CO | Vernon | 5.33 | 0.016 | 0.07 | 0.02 | 1997 |
| 134018 | A | INDUSTRIAL CONTAINER SERVICES | Montebello | 5.24 | n/a | 0.57 | 0.23 | 2000 |
| 4477 | A | SOUTHERN CALIFORNIA EDISON COMPANY | Avalon | 4.98 | 0.004 | 0.05 | 0.20 | 1997 |
| 109198 | A | TORCH OPERATING CO. (STEARNS GAS CO) | Brea | 4.97 | n/a | 0.05 | 0.01 | 2001 |
| 800037 | A | DEMENNO/KERDOON | Compton | 4.9 | 0.01 | < 0.01 | 0.02 | 2009 |
| 103888 | A | A J INDUSTRIES INC, SARGENT-FLETCHER CO | El Monte | 4.90 | 0.280 | 0.16 | 0.02 | 1999 |
| 11192 | A | HI-SHEAR CORP | Torrance | 4.80 | 0.002 | 0.04 | 0.02 | 2008 |
| 800038 | A | DOUGLAS AIRCRAFT CO | Long Beach | 4.80 | n/a | 0.15 | 0.11 | 1999 |
| 800264 | A | EDGINGTON OIL, CO. | Long Beach | 4.78 | 0.001 | 0.01 | 0.01 | 2002 |
| 101977 | A | AMERIGAS PROPANE L.P. | Long Beach | 4.70 | 0.002 | 0.59 | 0.97 | 1998 |
| 3950 | A | CROWN CORK & SEAL COMPANY, INC. | La Mirada | 4.60 | 0.000 | 0.00 | 0.11 | 1997 |
| 83102 | A | LIGHT METALS | Industry | 4.50 | 0.008 | 0.04 | 2.70 | 2002 |
| 8547 | A | QUEMETCO INC. | Industry | 4.4 | 0.023 | 0.086 | 0.74 | 2010 |
| 37336 | A | COMMERCE REFUSE TO ENERGY FACILITY (a) | Commerce | 4.40 | 0.160 | 0.03 | 0.08 | 1997 |
| 136395 | A | THOMASON MECHNICAL CORP, BENDER MACHINE | Vernon | 4.40 | 0.001 | 0.99 | 0.02 | 2002 |
| 800041 | A | DOW U.S.A. | Torrance | 4.40 | n/a | 0.09 | 0.01 | 2000 |
| 93346 | A | COOPER DRUM CO | S. El Monte | 4.30 | n/a | 0.09 | 0.16 | 1997 |
| 115240 | A | MARCHEM TECHNOLOGIES, LONZA INC | Long Beach | 4.30 | 0.005 | 0.28 | 0.01 | 2001 |
| 131249 | A | BP WEST COAST PRODUCTS LLC (a) | Wilmington | 4.30 | 0.180 | 0.08 | 0.18 | 1995 |
| 124506 | A | BOEING ELECTRON DYNAMIC DEVICES | Torrance | 4.17 | n/a | 0.46 | 0.07 | 1995 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-------------------------------------|-------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 6459 | OB | HONEYWELL INTERNATIONAL INC. | Vernon | 4.13 | n/a | 0.01 | 0.01 | 1999 |
| 18439 | OB | ACE PLATING CO INC | Los Angeles | 4.08 | n/a | 0.58 | 0.19 | 1998 |
| 118406 | A | CARSON COGENERATION COMPANY | Carson | 3.86 | n/a | 0.16 | 0.01 | 2007 |
| 45489 | A | GUIDANT CORP | Temecula | 3.80 | 0.006 | 1.31 | 0.01 | 2002 |
| 126060 | A | STERIGENICS US, LLC | Ontario | 3.80 | 0.000 | 0.00 | 0.01 | 2007 |
| 8820 | A | REULAND ELECTRIC CO. H.BRITTON LEES | Industry | 3.70 | 0.002 | < 0.01 | < 0.01 | 1996 |
| 9114 | I | SOMITEX PRINTS OF CALIFORNIA | Industry | 3.70 | n/a | 0.06 | < 0.01 | 1996 |
| 17325 | A | ACE CLEARWATER ENTERPRISES | Paramount | 3.70 | 0.001 | 0.01 | 0.00 | 2002 |
| 106838 | A | VALLEY-TODECO, INC | Sylmar | 3.70 | 0.000 | 0.20 | 0.20 | 2000 |
| 105598 | A | SENIOR FLEXONICS INC | Burbank | 3.64 | 0.007 | 0.98 | 0.49 | 2001 |
| 7427 | A | OWENS-BROCKWAY GLASS CONTAINER | Vernon | 3.60 | 0.000 | 0.01 | 0.06 | 2001 |
| 800007 | OB | ALLIED SIGNAL INC, EI SEGUNDO | El Segundo | 3.58 | n/a | 0.02 | 0.53 | 2000 |
| 126197 | A | ION BEAM APPLICATIONS INC. | Los Angeles | 3.56 | 0.000 | < 0.01 | 0.01 | 1996 |
| 127568 | A | ENGINEERED POLYMER SOLUTION | Montebello | 3.53 | 0.000 | 0.05 | 0.48 | 2000 |
| 151899 | A | MEDALLION CALIFORNIA PROPERTIES CO | Newhall | 3.51 | n/a | 0.02 | 0.20 | 2000 |
| 140811 | A | DUCOMMUN AEROSTRUCTURES INC | Monrovia | 3.50 | 0.007 | 0.01 | 0.01 | 2002 |
| 8015 | A | ANADITE INC | South Gate | 3.48 | n/a | 0.63 | 0.78 | 2003 |
| 9163 | A | INLAND EMPIRE UTILITIES AGENCY | Ontario | 3.44 | 0.001 | 0.25 | 0.01 | 2007 |
| 151415 | A | AERA ENERGY LLC | Brea | 3.40 | 0.020 | 0.05 | 0.00 | 1999 |
| 153546 | A | HUCK INTERNATIONAL INC | Carson | 3.30 | 0.017 | 0.00 | 0.02 | 1999 |
| 126191 | A | ION BEAM APPLICATIONS INC. | Los Angeles | 3.29 | 0.000 | < 0.01 | 0.00 | 1996 |
| 800063 | A | GROVER PROD. CO | Los Angeles | 3.29 | 0.039 | 0.88 | 0.07 | 2002 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|----------------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 800189 | A | DISNEYLAND RESORT | Anaheim | 3.25 | 0.030 | 0.11 | 0.06 | 2009 |
| 6384 | A | LA CO., RANCHO LOS AMIGOS MEDICAL CENTER | Downey | 3.14 | 0.082 | 0.01 | 0.06 | 1999 |
| 800362 | A | CONOCO-PHILLIPS CO. | Carson | 3.10 | n/a | 0.67 | 0.26 | 2001 |
| 11435 | A | THE PQ CORP | South Gate | 3.00 | n/a | 0.00 | 0.01 | 1998 |
| 800395 | A | BP WEST COAST PRODUCTS, ARCO CARSON | Carson | 3.00 | 0.001 | < 0.01 | 0.02 | 1994 |
| 10005 | A | ELECTRONIC CHROME GRINDING CO, INC. | Santa Fe Springs | 2.96 | 0.010 | 0.24 | 0.06 | 2001 |
| 52517 | A | REXAM PLC, REXAM BEVERAGE CAN COMPANY | Chatsworth | 2.93 | 0.0076 | 0.73 | 0.1 | 2009 |
| 18452 | A | UCLA (REGENTS OF UC) (a) | Los Angeles | 2.91 | n/a | 0.01 | 0.11 | 1999 |
| 2613 | A | US GOVT, NAVY DEPT, NAVAL WEAPONS STN | Seal Beach | 2.90 | 0.004 | 0.11 | 0.00 | 2002 |
| 16660 | A | MC DONNELL DOUGLAS SPACE SYS CO. sub of BOEING CO. | Huntington Beach | 2.89 | 0.001 | 0.23 | 0.05 | 2007 |
| 116868 | A | EQUILON ENTERPRISES,LLC | Rialto | 2.88 | n/a | 0.00 | 0.04 | 1999 |
| 800035 | A | CONTINENTAL AIRLINES INC | Los Angeles | 2.83 | n/a | 0.01 | 0.13 | 1997 |
| 48274 | A | FENDER MUSICAL INST | Corona | 2.81 | 0.004 | 0.03 | 0.37 | 1997 |
| 151798 | A | TESORO REFINING AND MARKETING CO. | Carson | 2.77 | n/a | 0.14 | 0.00 | 1999 |
| 151984 | A | TESORO REFINING AND MARKETING CO. | Wilmington | 2.75 | 0.002 | 0.00 | 0.01 | 2000 |
| 46268 | A | CALIFORNIA STEEL INDUSTRIES, INC. | Fontana | 2.74 | 0.016 | 0.16 | 0.31 | 1995 |
| 800030 | A | CHEVRON U.S.A. INC | El Segundo | 2.73 | n/a | 0.29 | 0.13 | 2001 |
| 5887 | A | ANABOLIC INC | Irvine | 2.70 | 0.154 | 0.03 | 0.00 | 1997 |
| 16642 | A | ANHEUSER-BUSCH INC.(LA BREWERY) | Van Nuys | 2.70 | n/a | 0.02 | 0.13 | 1999 |
| 25440 | A | ROBERTSHAW CONTROLS CO, GRAYSON CONTROLS | Long Beach | 2.70 | 0.003 | 0.00 | 0.96 | 1998 |
| 27701 | A | CADDOCK ELECTRONICS, INC. | Riverside | 2.70 | n/a | 0.02 | 0.06 | 2002 |
| 137517 | A | RELIANT ENERGY ETIWANDA,LLC | Etiwanda | 2.67 | 0.160 | 0.01 | 0.17 | 2000 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 133987 | A | PLAINS EXPLORATION & PRODUCTION CO. LP | Inglewood | 2.65 | n/a | 0.01 | 0.07 | 1997 |
| 134943 | A | ALCOA GLOBAL FASTERNERS, INC. | Torrance | 2.61 | n/a | 0.55 | 0.04 | 2008 |
| 35483 | A | WARNER BROTHERS STUDIO FACILITIES | Burbank | 2.60 | 0.008 | 0.10 | 0.26 | 1997 |
| 7949 | A | CUSTOM FIBERGLASS MFG CO/CUSTOM HARDTOP | Long Beach | 2.50 | 0.078 | < 0.01 | < 0.01 | 1995 |
| 79682 | A | RAMCAR BATTERIES INC | Commerce | 2.43 | n/a | 0.04 | 0.17 | 1998 |
| 800278 | A | SFPP, L.P. | Carson | 2.43 | n/a | 0.00 | 0.10 | 1999 |
| 18188 | A | PLASMA TECHNOLOGY INC. | Torrance | 2.40 | 0.000 | 0.11 | 0.00 | 2007 |
| 18508 | A | AIR PROD & CHEM INC, PACIFIC ANCHOR CHEM | Los Angeles | 2.40 | 0.000 | 0.10 | 0.81 | 1999 |
| 800202 | A | UNIVERSAL STUDIOS INC | Universal City | 2.40 | n/a | < 0.01 | 0.03 | 1996 |
| 800387 | A | CALIFORNIA INSTITUTE OF TECHNOLOGY | Pasadena | 2.40 | n/a | 0.05 | 0.00 | 2007 |
| 152033 | A | TESORO REFINING AND MARKETING CO. | Long Beach | 2.39 | n/a | 0.00 | 0.01 | 1999 |
| 133405 | A | BODYCOTE INC./BODYCOTE THERMAL PROCESSING | Los Angeles | 2.36 | n/a | 0.03 | 0.20 | 1999 |
| 1208 | A | MICROSEMI CORPORATION | Santa Ana | 2.30 | 0.004 | 0.01 | 0.01 | 2001 |
| 124838 | A | EXIDE TECHNOLOGIES (a) | Vernon | 2.30 | 0.010 | 0.53 | 0.04 | 1999 |
| 800056 | A | GATX STORAGE TERMINALS CORP | San Pedro | 2.30 | n/a | 0.00 | 0.03 | 1997 |
| 103659 | OB | FOUR MEDIA CO. | Burbank | 2.22 | n/a | 0.61 | 0.04 | 2004 |
| 99773 | A | CYTEC FIBERITE INC. | Anaheim | 2.20 | 0.000 | 0.04 | 0.19 | 2000 |
| 9668 | A | DELUXE LABORATORIES INC, DELUXE LABORATOR | Hollywood | 2.10 | 0.000 | 0.01 | 0.02 | 2000 |
| 40829 | A | HAWKER PACIFIC INC | Sun Valley | 2.07 | 0.000 | 0.04 | 0.09 | 2009 |
| 18931 | A | TAMCO | Rancho Cucamonga | 2.04 | 0.017 | 0.01 | 0.24 | 2001 |
| 142267 | A | FS PRECISION TECH LLC | Rancho Dominguez | 2.03 | n/a | 0.08 | 0.15 | 2001 |
| 800181 | A | CALIFORNIA PORTLAND CEMENT CO (a) | Colton | 2.00 | 0.001 | < 0.01 | 0.39 | 1996 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 2605 | A | 3M CO | Northridge | 1.98 | 0.002 | 0.40 | 0.38 | 1996 |
| 14502 | A | VERNON UTILITY DEPARTMENT | Vernon | 1.98 | 0.000 | 0.01 | 0.01 | 2007 |
| 54627 | A | HICKORY SPRINGS OF CAL INC | Commerce | 1.95 | n/a | 0.01 | 0.48 | 1998 |
| 800325 | A | TIDELANDS OIL PRODUCTION CO (L.B. Oil Co) | Long Beach | 1.90 | n/a | 0.07 | 0.62 | 1999 |
| 10245 | A | LA CITY SANITATION BUREAU, TERMINAL ISLAN | San Pedro | 1.83 | 0.005 | 0.02 | 0.03 | 2000 |
| 23559 | OB | JOHNSON CONTROLS BATTERY GROUP INC | Fullerton | 1.80 | n/a | 0.01 | 0.08 | 2001 |
| 800003 | A | HONEYWELL INTERNATIONAL INC | Torrance | 1.77 | n/a | 0.00 | 0.01 | 1999 |
| 1947 | A | THUMS LONG BEACH CO, UNIT NO.01 | Long Beach | 1.70 | 0.170 | < 0.01 | 0.14 | 1996 |
| 8309 | A | CAMBRO MANUFACTURING CO | Huntington Beach | 1.70 | 0.002 | 0.00 | 0.15 | 2000 |
| 22467 | A | LEFIELL MFG CO | Santa Fe Springs | 1.70 | 0.000 | 0.75 | 0.17 | 2000 |
| 82512 | A | BREA CANYON OIL CO | Wilmington | 1.70 | n/a | 0.01 | < 0.01 | 1996 |
| 119907 | A | BERRY PETROLEUM | Santa Clarita | 1.60 | n/a | 0.20 | 0.73 | 1999 |
| 119920 | A | ALUMINUM COMPANY OF AMERICA | Vernon | 1.60 | n/a | 0.30 | 0.30 | 1996 |
| 133660 | A | HAYDEN INDUSTRIAL PRODUCTS | Corona | 1.60 | n/a | 0.82 | 0.44 | 1998 |
| 107350 | A | N O-RING CORPORATION | Downey | 1.53 | n/a | 0.00 | 0.01 | 2001 |
| 2638 | A | OCCIDENTAL COLLEGE | Los Angeles | 1.50 | 0.002 | 0.07 | 0.01 | 2007 |
| 126536 | A | CONSOLIDATED FOUNDRIES, POMONA | Pomona | 1.50 | n/a | 0.00 | 0.02 | 1999 |
| 25070 | A | LA CO., SANITATION DISTRICT (a) | Whittier | 1.40 | 0.001 | < 0.01 | < 0.01 | 1996 |
| 44577 | A | LONG BEACH CITY, SERRF PROJECT (a) | Long Beach | 1.40 | n/a | 0.00 | 0.03 | 2000 |
| 82513 | A | BREA CANYON OIL COMPANY INC | Harbor City | 1.40 | n/a | 0.02 | < 0.01 | 1996 |
| 800408 | A | TRW INC. | Manhattan Beach | 1.37 | n/a | 0.92 | 0.10 | 1998 |
| 3968 | A | TABC INC. | Long Beach | 1.35 | 0.002 | 0.05 | 0.22 | 1999 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 62679 | A | KOP-COAT INC | Vernon | 1.33 | n/a | 0.00 | 0.49 | 1997 |
| 123087 | A | INDALEX WEST INC. | Industry | 1.27 | n/a | 0.00 | 0.03 | 1999 |
| 126544 | A | PAC FOUNDRIES INDUSTRY | Industry | 1.27 | n/a | 0.59 | 0.09 | 1996 |
| 2526 | A | CHEVRON USA INC | Van Nuys | 1.25 | 0.007 | < 0.01 | 0.01 | 1996 |
| 22551 | A | THUMS LONG BEACH CO, UNIT NO.04 | Long Beach | 1.20 | 0.000 | 0.00 | 0.01 | 2000 |
| 42633 | A | LA CO., SANITATION DIST, SPADRA LANDFILL | Walnut | 1.20 | 0.002 | < 0.01 | < 0.01 | 1996 |
| 106009 | A | VENOCO INC. | Beverly Hills | 1.16 | n/a | 0.05 | 0.00 | 2005 |
| 152054 | A | BREA CANYON OIL COMPANY, INC. | Brea | 1.14 | n/a | < 0.01 | 0.12 | 1996 |
| 124806 | OB | EXIDE TECHNOLOGIES | Industry | 1.00 | n/a | 0.00 | 0.04 | 1999 |
| 800127 | A | THE GAS CO. | Montebello | 0.99 | 0.000 | 0.01 | 0.01 | 2009 |
| 7730 | A | E R CARPENTER CO INC | Riverside | 0.96 | 0.000 | 0.03 | 1.34 | 2003 |
| 20375 | A | PRUDENTIAL OVERALL SUPPLY | Riverside | 0.96 | 0.000 | 0.03 | 0.08 | 1997 |
| 6670 | A | TRU-CUT, INC. | Los Angeles | < 1 | 0.000 | 0.00 | 0.04 | 2002 |
| 47056 | OB | MYERS CONTAINER CORP | Huntington Park | 0.90 | 0.000 | 0.23 | 2.00 | 2002 |
| 800301 | A | ITT GILFILLAN UNIT NO.01 | Van Nuys | 0.86 | 0.000 | 0.12 | 0.19 | 1998 |
| 3134 | A | THUMS LONG BEACH CO, UNIT NO.05 | Long Beach | 0.84 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 18378 | A | GRUBER SYSTEMS, INC. | Valencia | 0.83 | 0.000 | 0.14 | 0.10 | 2004 |
| 22556 | A | THUMS LONG BEACH CO, UNIT NO.02 | Long Beach | 0.80 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 111415 | A | VAN CAN CO, SUBSIDIARY OF VAN CAMP SEAFO | Fontana | 0.80 | 0.000 | < 0.01 | 0.08 | 1996 |
| 120088 | A | BREITBURN ENERGY CO. | Santa Fe Springs | 0.79 | 0.000 | 0.01 | 0.04 | 1998 |
| 126964 | A | EDWARDS LIFESCIENCES LLC | Irvine | 0.75 | 0.000 | < 0.01 | 0.00 | 1995 |
| 22373 | A | CONTAINER CORPORATION OF AMERICA | Los Angeles | 0.74 | 0.000 | < 0.01 | < 0.01 | 1996 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|------------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 24060 | A | TOMKINS INDUSTRIES INC-LASCO PRODS GROUP | Anaheim | 0.72 | 0.000 | < 0.01 | 0.02 | 1996 |
| 800091 | A | MOBIL OIL CORP | Anaheim | 0.72 | 0.000 | 0.01 | 0.00 | 1999 |
| 772 | A | DEFT INC | Irvine | 0.70 | 0.000 | < 0.01 | < 0.01 | 1995 |
| 24756 | A | CRANE CO, HYDRO-AIRE DIV | Burbank | 0.63 | 0.000 | 0.04 | 0.05 | 1997 |
| 115394 | A | AES ALAMITOS, LLC | Long Beach | 0.63 | 0.000 | 0.00 | 0.02 | 1999 |
| 134931 | A | ALCOA GLOBAL FASTENERS, INC. | Fullerton | 0.61 | 0.000 | 1.90 | 0.02 | 2003 |
| 24957 | A | GLENDALE CITY | Glendale | 0.59 | 0.000 | 0.00 | 0.02 | 1999 |
| 15647 | A | CUSTOM ENAMELERS INC | Fountain Valley | 0.55 | 0.000 | 0.11 | 0.02 | 2000 |
| 3093 | A | LA CO., OLIVE VIEW/UCLA MEDICAL CENTER | Sylmar | 0.53 | 0.000 | 0.00 | 0.02 | 1999 |
| 21895 | A | AC PRODUCTS, INC. | Placentia | 0.53 | 0.000 | 0.00 | 0.00 | 2003 |
| 6281 | A | US GOVT,MARINE CORPS AIR STATION,EL TORO | El Toro | 0.51 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 1634 | OB | STEELCASE INC, WESTERN DIV | Tustin | 0.50 | 0.000 | < 0.01 | < 0.01 | 1995 |
| 39388 | A | THUMS LONG BEACH CO, UNIT NO.03 | Long Beach | 0.50 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 61160 | A | GE ENGINE SERVICES | Ontario | 0.50 | 0.000 | 0.70 | 0.01 | 2003 |
| 152501 | A | PRECISION SPECIALTY METALS, INC. | Los Angeles | 0.45 | 0.000 | 0.38 | 0.15 | 2001 |
| 43436 | A | TIMCO | Fontana | 0.43 | 0.000 | 0.00 | 0.43 | 1997 |
| 18990 | A | LIFE PAINT COMPANY | Santa Fe Springs | 0.41 | 0.000 | 0.02 | 0.00 | 2001 |
| 12660 | I | GOLDSHIELD FIBERGLASS, INC, PLANT #58 | Fontana | 0.40 | 0.000 | 0.01 | 0.05 | 1994 |
| 115536 | A | AES REDONDO BEACH, LLC | Redondo Beach | 0.40 | 0.000 | 0.01 | 0.04 | 1998 |
| 122295 | A | FALCON FOAM, A DIV OF ALTAS ROOFING | Los Angeles | 0.40 | 0.000 | 0.00 | 0.00 | 1999 |
| 115663 | A | EL SEGUNDO POWER, LLC | El Segundo | 0.34 | 0.000 | 0.00 | 0.01 | 2000 |
| 25638 | A | BURBANK CITY, PUB SERV DEPT | Burbank | 0.33 | 0.000 | 0.33 | 0.01 | 1996 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-------------------------------------------|-----------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 124805 | A | EXIDE TECHNOLOGIES | Commerce | 0.33 | 0.000 | 0.00 | 0.04 | 2000 |
| 550 | A | LA CO., INTERNAL SERVICE DEPT | Los Angeles | 0.32 | 0.000 | 0.02 | 0.00 | 2008 |
| 112192 | OB | CONSOLIDATED DRUM RECONDITIONING CO. INC. | South Gate | 0.31 | 0.000 | 0.00 | 0.00 | 1997 |
| 800343 | A | BOEING SATELLITE SYSTEMS, INC. | El Segundo | 0.30 | 0.000 | < 0.01 | 0.21 | 1996 |
| 24520 | A | LA CO, SANITATION DISTRICTS | Rolling Hills Estates | 0.29 | 0.000 | < 0.01 | < 0.01 | 1998 |
| 99119 | A | INTERPLASTIC CORP | Hawthorne | 0.28 | 0.000 | 0.05 | 0.32 | 1999 |
| 122300 | A | BASF CORPORATION | Colton | 0.28 | 0.000 | 0.56 | 0.02 | 2002 |
| 19989 | OB | PARKER HANNIFIN AEROSPACE CORP | Irvine | 0.27 | 0.000 | 0.01 | 0.00 | 1999 |
| 107149 | A | MARKLAND MANUFACTURING INC. | Santa Ana | 0.26 | 0.000 | 0.06 | 0.12 | 2007 |
| 102075 | A | FOAMEX (a) | Orange | 0.18 | 0.000 | 0.39 | 0.43 | 1994 |
| 16264 | A | INTL COATINGS CO INC | Cerritos | 0.17 | 0.000 | 0.00 | 0.00 | 1999 |
| 800074 | A | LA CITY, DWP HAYNES GENERATING STATION | Long Beach | 0.17 | 0.000 | 0.00 | 0.01 | 2000 |
| 48300 | A | PRECISION TUBE BENDING | Santa Fe Springs | 0.15 | 0.000 | 0.00 | 0.00 | 2002 |
| 800168 | A | PASADENA CITY, DWP | Pasadena | 0.15 | 0.000 | 0.70 | 0.00 | 1996 |
| 800193 | A | LA CITY, DWP; VALLEY STM PLANT | Sun Valley | 0.15 | 0.000 | 0.25 | 0.00 | 1999 |
| 42676 | A | AES PLACERITA, INC. | Newhall | 0.11 | 0.000 | 0.08 | 0.01 | 2003 |
| 114801 | A | RHODIA INC. | Carson | 0.11 | 0.000 | 0.02 | 0.05 | 2006 |
| 115389 | A | SO CAL EDISON CO | Huntington Beach | 0.11 | 0.000 | 0.00 | 0.00 | 1999 |
| 7416 | A | PRAXAIR INC | Wilmington | 0.11 | 0.000 | 0.04 | 0.03 | 2001 |
| 1992 | A | PRUDENTIAL OVERALL SUPPLY | Van Nuys | 0.10 | 0.000 | 0.00 | 0.00 | 1997 |
| 16044 | I | SPECIALTY ORGANICS INC | Irwindale | 0.10 | 0.000 | 0.00 | 0.23 | 1997 |
| 25012 | A | AMADA MFG AMERICA, INC. | La Mirada | < 0.1 | 0.000 | 0.00 | 0.00 | 2002 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|------------------------------------------|---------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 24812 | A | FARMER BROS CO | Torrance | 0.09 | 0.000 | 0.00 | 0.02 | 1999 |
| 94872 | A | METAL CONTAINER CORP. | Mira Loma | 0.08 | 0.000 | 0.39 | 0.36 | 2002 |
| 111110 | A | BRISTOL FIBERLITE IND | Santa Ana | 0.08 | 0.000 | 0.00 | 0.02 | 1995 |
| 156741 | A | HARBOR COGENERATION CO. | Wilmington | 0.05 | 0.000 | 0.02 | 0.00 | 2002 |
| 20144 | OB | CANON BUSINESS MACHINES INC | Costa Mesa | 0.05 | 0.000 | 0.00 | 0.07 | 1999 |
| 800320 | A | AMVAC CHEMICAL CORP. | Los Angeles | 0.04 | 0.000 | 0.07 | 0.34 | 2004 |
| 45938 | A | E.M.E. INC/ELECTRO MACHINE & ENGINEERING | Compton | 0.04 | 0.000 | 0.00 | < 0.01 | 2001 |
| 114847 | A | FOAMEX L.P. (a) | Compton | 0.04 | 0.000 | 0.00 | 0.96 | 1997 |
| 117785 | A | BALL METAL BEVERAGE CONTAINER CORP. | Torrance | 0.04 | 0.000 | 0.21 | 0.91 | 2001 |
| 22229 | A | PROCESSES BY MARTIN, INC. | Lynwood | 0.04 | 0.000 | 0.00 | 0.00 | 2002 |
| 800075 | A | LA CITY, DWP SCATTERGOOD GENERATING STN. | Playa del Rey | 0.03 | 0.000 | 0.00 | 0.00 | 2000 |
| 145368 | A | SEMMATERIALS LP | Fontana | 0.02 | 0.000 | 0.33 | 0.01 | 1999 |
| 115586 | A | SUNDANCE SPAS | Chino | 0.02 | 0.000 | 0.05 | 0.43 | 1996 |
| 51620 | A | WHEELABRATOR NORWALK ENERGY COMPANY | Norwalk | 0.02 | 0.000 | 0.01 | 0.02 | 1996 |
| 800009 | A | AMERON PROTECTIVE COATINGS DIV | Brea | 0.01 | 0.000 | 0.24 | 0.24 | 2000 |
| 55711 | A | SUNLAW COGENERATION PARTNERS I | Vernon | 0.01 | 0.000 | 0.01 | 0.00 | 1996 |
| 124016 | A | OAKITE PRODUCTS, INC. | La Mirada | 0.00 | 0.000 | 0.14 | 0.08 | 2000 |
| 55714 | A | SUNLAW COGENERATION PARTNERS I | Vernon | 0.00 | 0.000 | 0.01 | 0.00 | 1996 |
| 119127 | A | PRC DE SOTO INTERNATIONAL | Glendale | 0.00 | 0.000 | < 0.01 | < 0.01 | 2002 |
| 809 | A | GARNER GLASS CO | Claremont | 0.00 | 0.000 | 0.00 | 0.00 | 1996 |
| 1732 | OB | INTL ELECTRONIC RESEARCH CORP | Burbank | 0.00 | 0.000 | 0.00 | 0.00 | 1996 |
| 1746 | A | UNITED ALLOYS INC | Los Angeles | 0.00 | 0.000 | 0.00 | 0.00 | 1998 |

| Facility ID | Facility Status | Facility Name | City | Cancer Risk in a million | Cancer Burden | Acute Hazard Index | Chronic Hazard Index | HRA Approved (year) |
|----------------|--------------------|-----------------------------------------|------------------|--------------------------------|------------------|--------------------------|----------------------------|---------------------------|
| 3084 | A | CARDINAL INDUSTRIAL FINISHES INC | South El Monte | 0.00 | 0.000 | 0.00 | 0.00 | 1996 |
| 3578 | A | PRUDENTIAL OVERALL SUPPLY | Carson | 0.00 | 0.000 | 0.00 | 0.00 | 2000 |
| 6163 | A | OHLINE | Gardena | 0.00 | 0.000 | 0.26 | 0.72 | 1996 |
| 6315 | A | FLO-KEM, INC. | Rancho Dominguez | 0.00 | 0.000 | 0.03 | 0.61 | 1999 |
| 7010 | A | PRUDENTIAL OVERALL SUPPLY | Irvine | 0.00 | 0.000 | 0.00 | 0.00 | 1995 |
| 8560 | A | PRUDENTIAL OVERALL SUPPLY CO | Commerce | 0.00 | 0.000 | 0.00 | 0.00 | 1995 |
| 8935 | A | TRAIL RITE INC | Santa Ana | 0.00 | 0.000 | 0.00 | 0.30 | 1996 |
| 10656 | A | NEWPORT LAMINATES | Santa Ana | 0.00 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 19953 | OB | RISTON KELLER INC | Irvine | 0.00 | 0.000 | < 0.01 | 0.01 | 1996 |
| 21544 | A | US GOVT, MARINE CORPS AIR STA @BLD | Tustin | 0.00 | 0.000 | 0.00 | 0.00 | 2000 |
| 22092 | A | WESTERN TUBE & CONDUIT CORP | Long Beach | 0.00 | 0.000 | 0.02 | 0.62 | 1997 |
| 24647 | A | J. B. I. INC | Compton | 0.00 | 0.000 | 0.00 | 0.17 | 1999 |
| 40806 | A | ASSOCIATED PLASTICS INC | Riverside | 0.00 | 0.000 | 0.73 | 0.20 | 1997 |
| 51849 | A | ELIMINATOR CUSTOM BOATS | Mira Loma | 0.00 | 0.000 | < 0.01 | < 0.01 | 1995 |
| 70021 | A | XERXES CORP (A DELAWARE CORP) | Anaheim | 0.00 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 144677 | A | PRATT & WHITNEY ROCKETDYNE/RUBY ACQ ENT | Canoga Park | 0.00 | 0.000 | < 0.01 | < 0.01 | 1996 |
| 149241 | A | VERMAX, INC. | Pomona | 0.00 | 0.000 | < 0.01 | 0.25 | 1995 |
| 800018 | A | BAXTER HEALTH CARE CORP, BENTLEY DIV | Irvine | 0.00 | 0.000 | < 0.01 | 0.37 | 1994 |

Notes:

⁽a) AQMD staff has requested these facilities to update their HRAs.

⁽b) This includes risk attributable to the emergency DICE. The total facility risks excluding the emergency DICE are less than 10 in a million.

⁽c) The specific risk driver listed in this HRA is no longer in use & the resulting risk has been eliminated or minimized.

Appendix B Rule Adoption and Amendments in 2009

Rule 1401 – New Source Review of Air Toxic Compounds

Rule 1401 establishes cancer and non-cancer risk requirements for new, relocated, or modified sources of toxic air contaminants. Rule 1401 was amended to add cancer risk value for ethyl benzene to the list of toxic air contaminants (TACs) in the rule. Ethyl benzene was already in the Rule 1401 list for chronic health effects. The Rule 1401 TAC list is also used for Rule 1402 - Control of Toxic Air Contaminants from Existing Sources. Therefore, in addition to impacts to new sources, the staff report assesses impacts for existing facilities. [June 2009]